

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000270874 A

(43) Date of publication of application: 03 . 10 00

(51) Int. Cl

C12N 15/09

A61P 9/10
A61P 11/00
A61P 19/02
A61P 19/10
A61P 21/04
A61P 25/00
A61P 25/28
A61P 35/00
A61P 35/04
A61P 43/00
A61K 31/711
A61K 38/46
A61K 39/395
A61K 45/00
A61K 48/00
C07K 16/40
C12N 1/19
C12N 1/21
C12N 5/10
C12N 9/50
C12Q 1/68
G01N 33/53
G01N 33/573
// C12P 21/08

(21) Application number: 11082516

(22) Date of filing: 25 . 03 . 99

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(54) NEW MEMBRANE-BOUND
METALLOPROTEASE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new kind of human membrane-bound metalloprotease which can activate progelatinase A and is useful for elucidation of the mechanism of development and treatment of and development of a medicine for various diseases including cancer and so on.

SOLUTION: This is a naturally-occurring human membrane-bound metalloprotease which can activate progelatinase A, is a progelatinase-activating factor other than MT1-MMP, MT2-MMP, MT3-MMP, and MT4-MMP, or a new human membrane-bound protein (or

salt thereof) which has a homology at 64% or more to the amino acid sequence of the naturally-occurring human membrane-bound protein, a matrix metalloprotease activity, and an ability of activating progelatinase A, or comparable antigenicity, and is useful for elucidation of the mechanism of development and treatment of and development of a medicine for various diseases including cancer and so on. This protein is obtained by cloning from a cDNA library derived from human.

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